

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Jacobs, *et al.*  
Serial No: 10/731,724  
Filing Date: December 8, 2003  
Title: Use of Bacterium for Manufacture of a Vaccine  
Confirmation No: 5481  
Group Art Unit: 1633  
Examiner: Sumesh Kaushal  
Attorney Ref: 1999.452 US C1

May 7, 2009

**RESPONSE TO FINAL OFFICE ACTION**

Box: AF  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

In reply to the Final Office Action issued February 9, 2009, please enter the amendments that follow:

**Amendments to the Claims** begin on page 2.

**Remarks** begin on page 5.